

COMPOSITIONS AND METHODS FOR THE SPECIFIC DETECTION OF
MAMMALIAN MUSCLE PROTEINS

ABSTRACT

5 Compositions and methods for detecting mammalian muscle proteins and for
distinguishing between mammalian muscle proteins and avian muscle proteins in a
sample, such as animal feed. The compositions are ligands, such as antibodies and
polynucleotides; antigens for the production of ligands; and kits containing the
ligands. The methods include assays that employ the ligands for the detection of
10 mammalian muscle proteins. Preferably, the ligands bind with specificity to
mammalian troponin I fast twitch or slow twitch skeletal muscle proteins.

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